symbol®

Magellan SL™

Scanner & Scanner/Scale

User's Guide

Symbol Technologies, Inc.
One Symbol Plaza
Holtsville, New York 11742-1300

1-800-653-5350

Symbol and the Symbol logo are registered trademarks of Symbol Technologies, Inc.
Magellan SL is a trademark owned by PSC INC.

This manual and the procedures described in it are copyrighted, with all rights reserved. Under copyright law, this manual may not be copied in whole or part without prior written consent from Symbol. The same proprietary and copyright notice must appear on any permitted copies as appears on the original. This exception does not permit copies to be made for others, whether or not sold. Under the law, copying includes translating into another language or format including electronic media.

Disclaimer

Reasonable measures have been taken to ensure that all information contained in this manual is complete and accurate. However, Symbol reserves the right to change any specification at any time without prior notice.

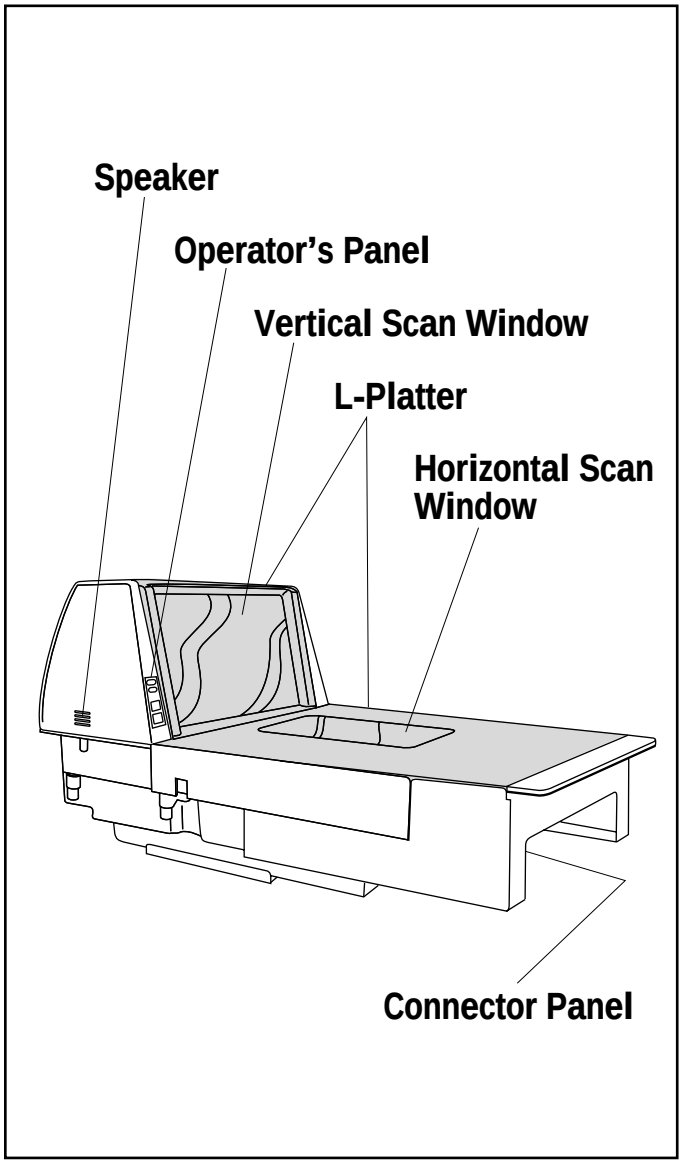
Table of Contents

Introduction 1
Operation 2
Controls & Indicators 3
Connectors 5
Routine Maintenance 7
Laser Safety Cautions 11
Physical Specifications 13
Environmental Specifications 15
Product Labeling 16

INTRODUCTION

Magellan SL™ is the new SlimLine family of 360-degree scanners from Symbol. It's the world's smallest, most versatile 360-degree scanner designed for leading supermarkets, hypermarkets, and mass merchandisers around the globe. An enhanced optical design has been combined with Magellan® advanced decoding software for superior performance and productivity. Four SlimLine models ensure the right fit for nearly any checkstand configuration, and Symbol's exclusive L-shaped, platter minimizes maintenance and weight shrinkage in scale applications. It's Magellan made even better, and that makes Magellan SL a "Sure-Thing" for high volume POS environments.

This User's Guide provides general operational and maintenance information for both scanner and scanner/scale Magellan SL models. If your unit doesn't contain a scale, simply disregard the scale descriptions and instructions in this manual.



PRODUCT OVERVIEW

Refer to the figure on this page for operator features.

Speaker— beeps when a barcode is read, or to indicate various conditions or errors. Ordinarily the speaker is enabled, however, at some installations the installer may have turned off audible indications depending upon system requirements.

Operator's Panel— contains the scanner and scale controls and indicators.

Vertical Scan Window— reads the barcode's leading edge, trailing edge and surface facing away from the checker.

L-Platter — acts as a protective top cover, contains the vertical and horizontal scan windows, and provides vertical as well as horizontal weighing support.

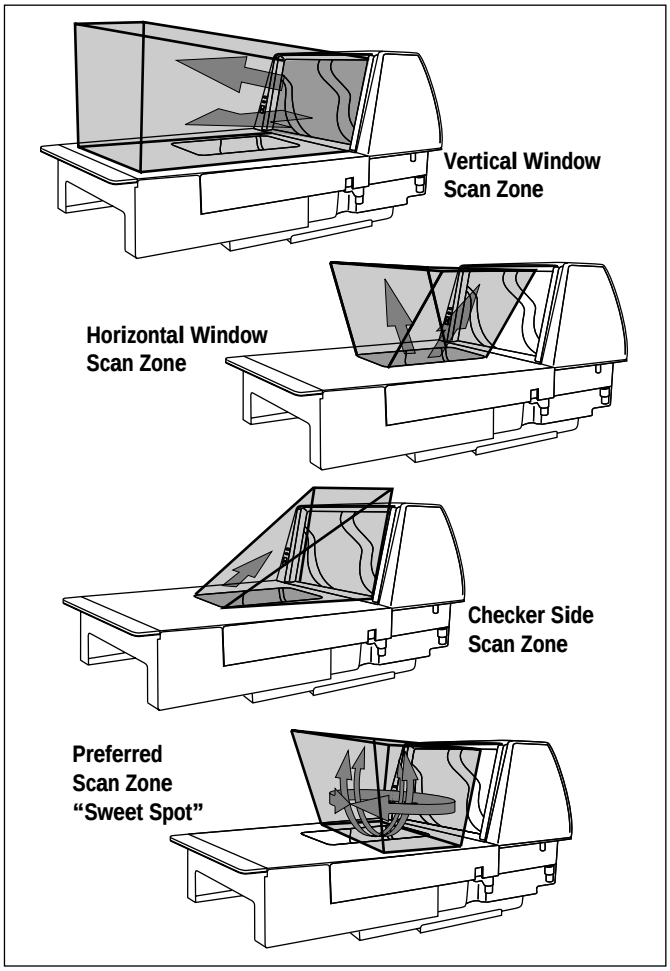
Horizontal Scan Window— reads the barcode's leading edge, trailing edge, surface facing the checker and barcodes located on the bottom of a product.

Connector Panel— contains all external connector ports (except EAS).

OPERATION

SCANNING

To take advantage of the ergonomic and productivity benefits of the Magellan SL™ scanner, you'll need to shed your old scanning habits and learn a new, easier method. The key to effective scanning is in knowing what ways the scanner is designed to help you. Unlike older one-plane or single line scanners, the Magellan SL scanner surrounds items with scan lines, virtually eliminating the need for you to orient items with regard to the scanner. Since the scanner can read the right, left, front and back sides as well as the bottom of a product, the only time you'll need to orient an item is when it is marked on the top; in this case, you simply tilt it slightly toward the vertical scan window.



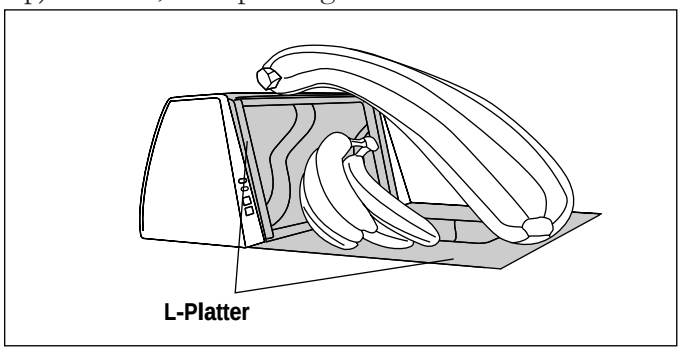
Developing your new scanning technique is easy. Just slide or push items through the scan zone "sweet spot" shown at left. You can even move the items in either direction (right-to-left or left-to-right), in the event of the occasional rescan. Make sure that you don't favor either the vertical or horizontal scan window; rather leave items in their natural orientation as much as possible. Since you'll be sliding items rather than picking them up, you'll avoid lifting thousands of pounds per day. And by not twisting or rotating your wrist, or using your fingers and hands to constantly grip items, you'll avoid the kind of motion that can lead to repetitive motion injuries.

Since there's no longer a need to locate and orient barcode labels, you'll be free to focus your attention and eye contact on your customers instead of the checkstand.

WEIGHING

Place the item(s) to be weighed anywhere on the L-Platter. Note that items can even lean against the platter's vertical face or even the top edge of the platter! Take care though, that the item rests completely on the platter and doesn't overlap onto the counter or non-weighing surfaces of the scanner/scale.

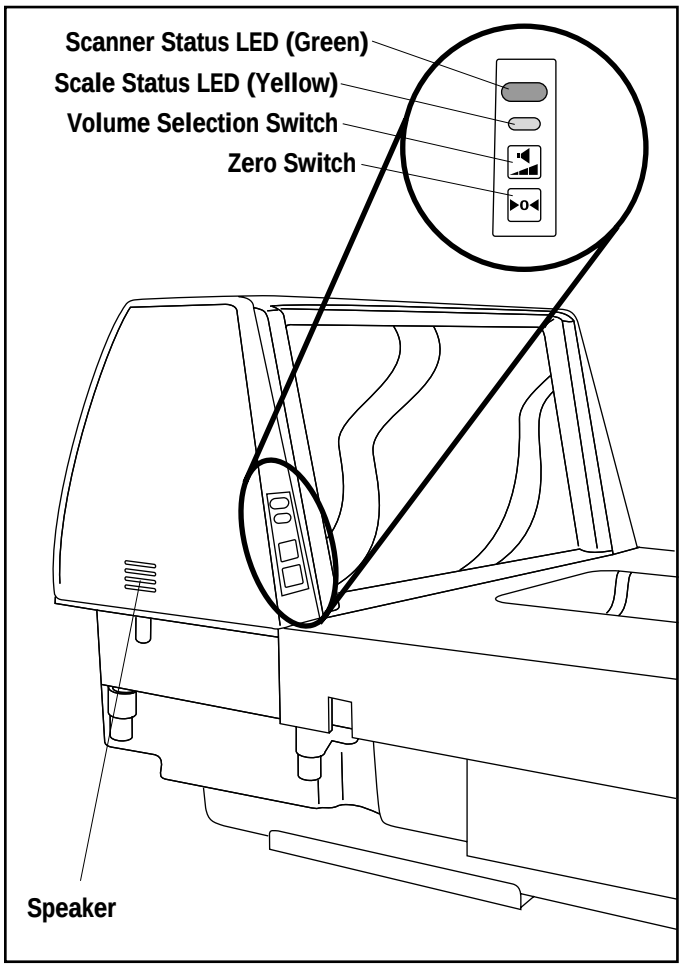
Next, follow the POS system instructions for entering data. Generally, this involves pressing the POS weight key, entering the PLU (Price Look-Up) number, and pressing ENTER.



CONTROLS & INDICATORS

The Magellan SL™ scanner or scanner/scale features an operator's control panel consisting of two switches and two LED lamps. Additionally, a speaker is located near the panel. These controls and indicators allow you to select beeper volume, wake the scanner up from "sleep mode", zero the scale, reset the unit, monitor scanner and scale status, and receive failure code information in the event of a problem.

The illustration below identifies the various controls and indicators.



CONTROL SWITCHES

The two control switches, Volume Selection and scale Zero, perform multiple functions that are described as follows:

VOLUME SELECTION SWITCH

The Volume Selection switch serves three functions, volume selection, scanner wake-up and scanner reset.

Volume Selection — Volume selection can only be made when the scanner is "awake"; that is, when the Scanner Status (green) LED is on dim (see *Wake-Up* below). Three volume choices are available: low, medium and high. To change the current selection, press the Volume Selection Switch and listen to the volume of the three tones sounded. Each time you press the switch, three tones will sound at a different volume, cycling through the three volume choices. Simply stop pressing the switch after the preferred volume is heard. If the scanner is reset for any reason, this setting is lost and the volume will return to its default setting.

Wake-Up — To conserve energy and extend its life, the scanner will enter a state called "Sleep Mode" when it has been inactive for a prolonged period. To wake up the scanner, press and release the Volume Selection Switch (or pass an object in front of the vertical window. For scanner/scale models, pushing down on the L-Platter will also wake up the scanner).

Scanner Reset — Since a scanner reset may cause your POS system to react, only system support personnel should perform the reset. Pressing and holding the Volume Selection switch for approximately six seconds will initiate a scanner reset.

CONTROLS & INDICATORS — CONTINUED

ZERO SWITCH

The Zero switch is used primarily to "zero" the scale, and can also be used to wake up the scanner/scale (see *Wake-Up* on the previous page).

Scanner/Scale Wake-Up — Pressing and releasing the Zero switch when the scanner/scale is in Sleep Mode wakes the unit up and returns it to normal operation. (You can also wake up the scanner/scale by touching the weighing platform or passing an object in front of the vertical window).

Scale Re-zero — Under normal operating conditions, the Scale Status LED should be lit when there is no weight on the scale, indicating that the scale is at zero. If the LED is not lit at that time, pressing and releasing the Zero switch should return the scale to zero and cause the LED to light. If the scale re-zero fails, it could be because an accumulation of debris in and around the Magellan SL is preventing free movement of the L-Platter. Clean the debris chutes, following the procedure titled: *Cleaning the Debris Chutes*. If, after cleaning the debris chutes, the scale will still not re-zero, call your technical support personnel and report the problem.

THE INDICATOR LEDS

The operator's control panel contains two status indicators – a Scanner Status LED (green) and a Scale Status LED (yellow).

SCANNER STATUS LED

The green Scanner Status indicator LED has four active states:

On steady & dim — indicates that the scanner is active and ready for operation. Scanning is immediately available.

Flashes brightly — and is accompanied by a 'good read' tone. This combination acknowledges that the scanner has correctly read the label and sent the data to the host.

Flashes slowly — to indicate that the scanner motor and/or laser have automatically switched off and unit has entered Sleep Mode due to an extended period of inactivity. Passing your hand or a product in front of the vertical window is one way to wake up the scanner and quickly return it to operating mode (indicated by the green lamp on dim as described above).

Flashes a repeated sequence— a helpful diagnostic tool indicating that a problem has been detected. The scanner uses the indicator lamp(s) and speaker to repeat a coded sequence to identify a problem. If your scanner exhibits this behavior, record the number of flashes and/or tones and call your system support personnel.

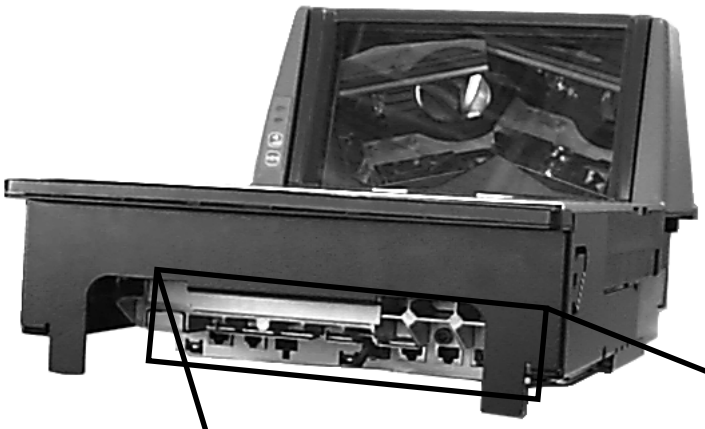
SCALE STATUS LED

The scanner/scale has a yellow Scale Status LED whose main function is to indicate when the scale is at zero and ready for weighing (see the topic on this page titled: *Scale Re-zero*). Additionally, the Scale Status LED can flash a coded sequence to indicate specific scale errors (to assist system support personnel in making a problem diagnosis).

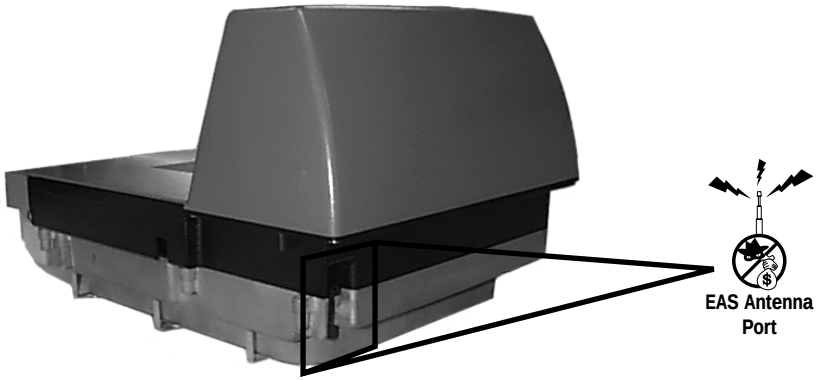
If your scanner model does not include a scale, this LED is on during power-up selftest, but it goes out when selftest is completed and the scanner is ready for operation.

CONNECTORS

Connector panel usage will vary depending upon the factory options purchased with the model (see the figure below). The following page contains a description of each connector port.



Required Connection			DC Power				Scanner I/F		
Optional Connection	HHLC	Remote Scale Display			Scale (Factory Connected)	Scale I/F		EAS Interlock	



CONNECTORS — CONTINUED

The following are brief descriptions of the function of each port connection.

REQUIRED CONNECTIONS

DC Power – connects the DC output from the AC/DC power supply to the scanner or scanner/scale. The AC/DC power supply provides +12 volts, -12 volts and +5 volts to Magellan SL. **Connect ONLY a Symbol power supply, approved for your model type, at this port**

Scanner Interface– transmits barcode data and interface communication signals between the scanner and the POS system.

OPTIONAL CONNECTIONS

HHLC – allows connection of an optional undecoded handheld scanner for scanning large, bulky items without removing them from the shopping cart. If you want to connect another handheld scanner to this port, you will need a copy of the *Magellan®/Magellan SL™ Programming Guide* (p/n 72-50489-XX) to set the programmable features for this option.

Remote Scale Display – (scanner/scale only) connects the optional remote display for showing weight data.

Factory Scale Connection – Connects scale and scanner functions to allow communication between them. This connection allows easy access for the service technician.

Scale Interface– for communicating the weight data and scale control signals between the scale and the POS terminal.

EAS Antenna Port – provides connection for an RF-based EAS security tag deactivation system.

EAS Interlock – interlocks the scanner's good read signal with EAS tag deactivation. When this port is connected, a security tag is not deactivated unless the EAS system has received a good read signal from the scanner.

Routine Maintenance

A daily cleaning of the L-Platter, including both scan windows (horizontal and vertical) will help to maintain top scanning and weighing performance.

There is no need to turn off or unplug the unit during cleaning (the scanner/scale operates on low voltage power), making this task more convenient.

Cleaning Materials

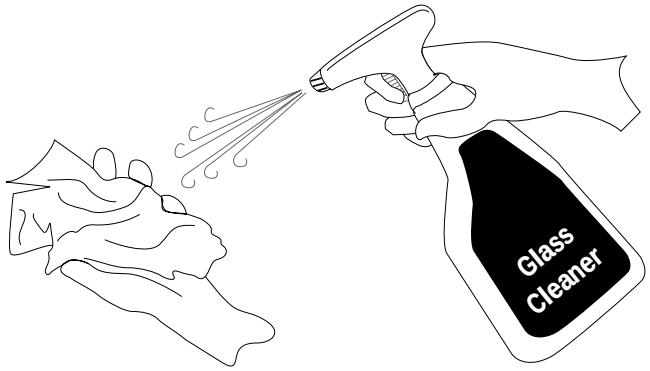
Windows and other exterior surfaces should be cleaned using a mild, water-based, nonabrasive window cleaner. Take care to avoid scratching the windows.

DO NOT USE ALCOHOL, ACETONE, ABRASIVE CLEANING AGENTS OR ABRASIVE PADS.

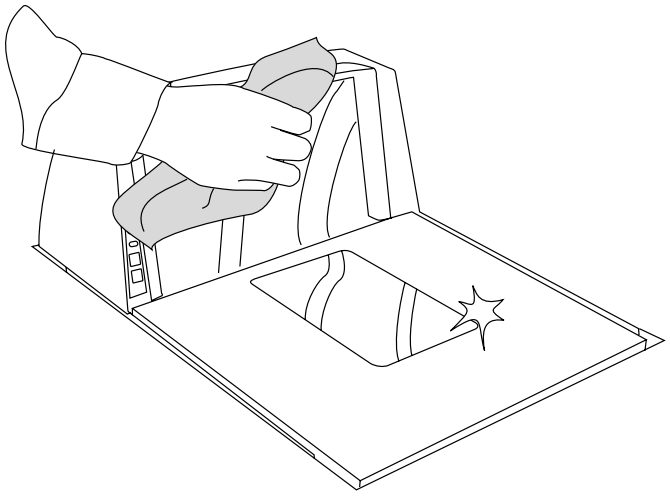
Cleaning Procedure

Regular cleaning of the scanner's horizontal and vertical scan windows will prevent residue buildup and help ensure the highest performance possible. Use a mild, water-based glass cleaner to polish the scanner windows and L-Platter.

1. Dampen a soft cloth or tissue with the window cleaning solution.



2. Wipe all top surfaces of the L-Platter and scan windows clean.

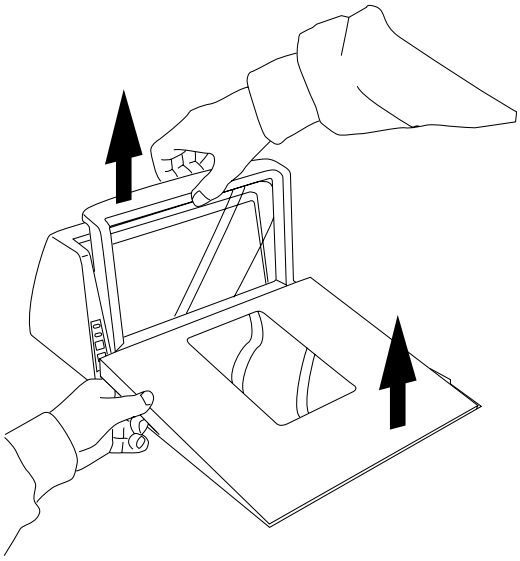


CLEANING THE DEBRIS CHUTES

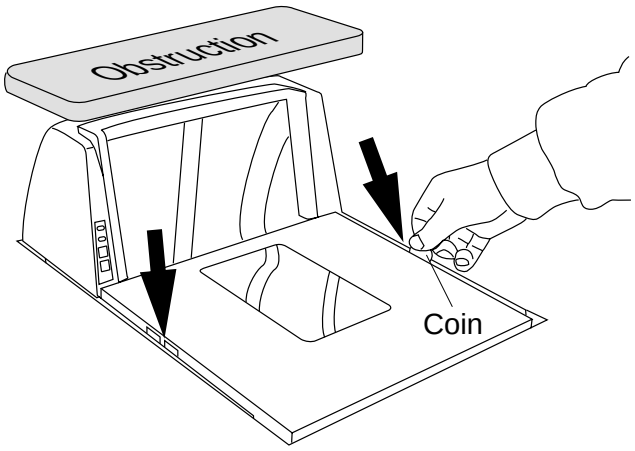
The debris chutes must be cleared periodically to avoid a build-up that can impede weighing.

The L-Platter must first be removed to allow access to the debris chutes. To remove the platter:

1. Grasp the top edge of the L-Platter, tilt slightly, and lift off vertically.

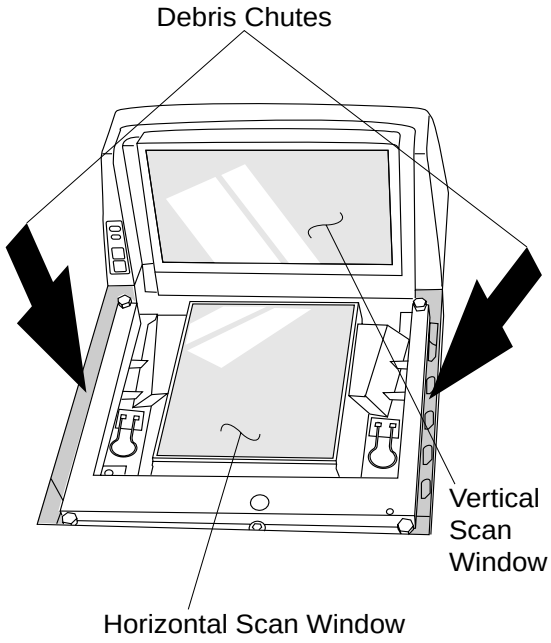


2. If the top edge is blocked, insert a coin into one or both indentations along either side of the L-Platter and pry gently to lift the L-Platter edge. Grasp the raised sides and carefully lift the L-Platter as shown.



NOTE

Use caution to avoid damage to the now exposed horizontal and vertical scan windows. If cleaning of these windows is necessary, use the instructions described in the previous section: *Cleaning Procedure*, taking care to avoid scratching these windows (damage to the windows can degrade scanning performance).



3. Clean the debis chutes by removing all foreign particles and wiping away any sticky buildup. Refer to the section titled: *Cleaning Procedure* for cleaning instructions.
4. Thoroughly clean the top and bottom sides of the L-Platter using the cleaning method described in the *Cleaning Procedure*.
5. Replace the L-Platter. This completes the debris chute cleaning procedure.

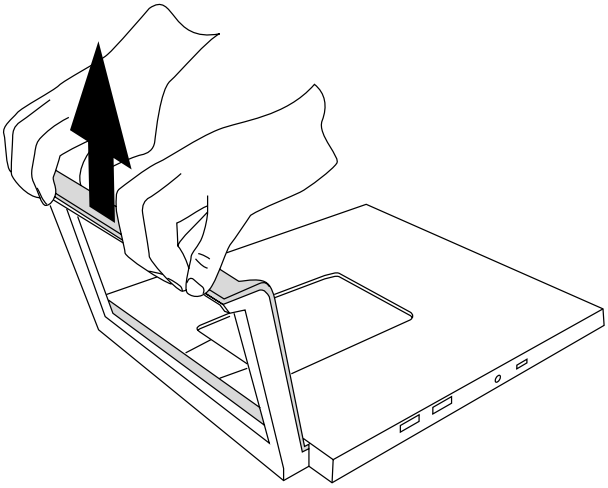
NOTE

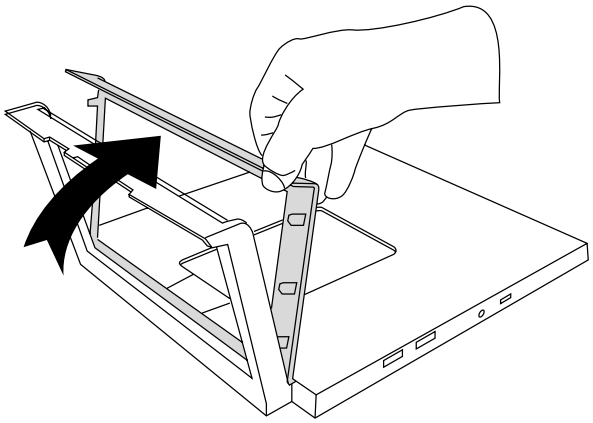
It may be necessary to zero the scanner/scale after performing these steps. See the following topic: *Zeroing the Scale* for detailed instructions on this procedure.

REPLACING THE VERTICAL SCAN WINDOW

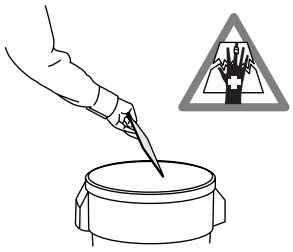
The vertical scan window enclosed in the L-Platter is a replaceable part. Follow these instructions to remove and replace the window:

1. Remove the L-Platter as described in the previous section *Cleaning the Debris Chutes* and place it on a clean, flat surface.
2. Lift up on the plastic retainer at the two snaps located on the inside top edge of the L-Platter (see the bottom figure below). Once the snaps are released, tilt the retainer out, carefully freeing the retainer from the L-Platter.

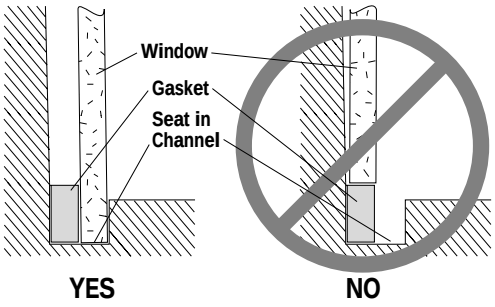




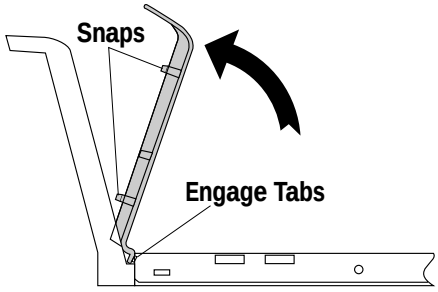
3. Remove the vertical scan window from its seated position and carefully dispose of any damaged glass.



4. Fully seat the new vertical scan window into the window channel of the L-Platter. The window must NOT rest on top of the foam gasket. If the window is not positioned correctly, the retainer will not fully seat.



5. Tilt the retainer as shown to engage the two tabs at the bottom of the retainer, then carefully snap the retainer into place onto the L-Platter.



6. Clean both sides of the vertical scan window, following the directions given in the earlier section: *Cleaning Procedure*.
7. Replace the L-Platter. Vertical scan window replacement is now complete.

ZEROING THE SCALE

For Magellan SL™ scanner/scale models, the Scale Zero switch is used to start the scale re-zero process. This operation may be performed by checkers and other store personnel.

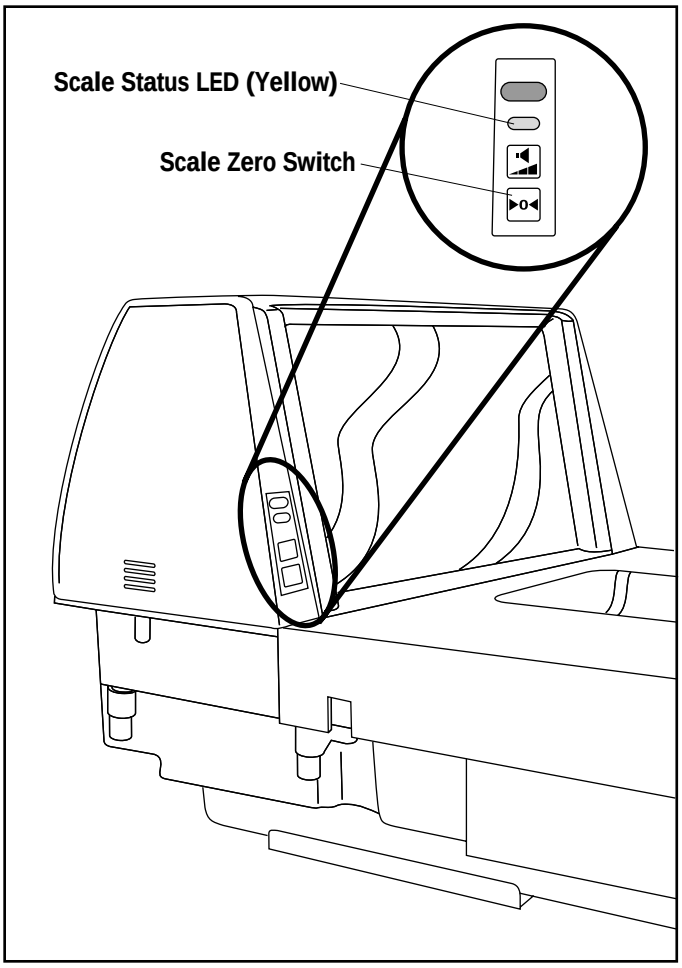
To initiate the scale zero process:

1. Ensure that the scanner/scale is powered-up and is at operating temperature.
2. Remove everything from the weighing surface of the scanner/scale.
3. Press and release the Scale Zero switch.
4. The Zero LED will light and the display will show 0.00 lb (0.000 kg).

At this point, the scanner/scale should return to normal operation. If, for some reason, the scale fails to zero, it could be because of a buildup of debris preventing the scale from functioning properly. Follow the instructions given in the previous section titled: *Cleaning the Debris Chutes* to remedy this problem.

After cleaning the debris chutes, if the scale still refuses to reset its zero point, it's likely that the scale requires recalibration or other qualified service. Call your technical support personnel and report the problem. Note that calibration must be performed in accordance with the legal requirements of your local Weights and Measures authorities.

5. This completes the scale zero procedure.



Laser Safety Cautions

English

CAUTION:

The Magellan SL™ is certified in the U.S. to conform to the requirements of DHHS/CDRH 21CFR Subchapter J for Class IIa laser products. The Magellan SL is also certified as a Class I laser product to the requirements of IEC 825-1:1993.
Class I and Class IIa products are not considered to be hazardous. The Magellan SL contains internally a Visible Laser Diode (VLD) that emits a maximum of 897µW at a wavelength of 670 nanometers. The scanner is designed so that there can be no human access to harmful levels of laser light during normal operation, user maintenance, or during prescribed service operations.
CAUTION:
This product is equipped with a 3-wire power cord and plug for the user's safety. Use this power cord in conjunction with a properly grounded electrical outlet to avoid electrical shock.
CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser light.
CAUTION
Do not attempt to open or otherwise service any components in the optics cavity. Opening or servicing any part of the optics cavity by unauthorized personnel may violate laser safety regulations. The optics system is a factory only repair item.
CAUTION
Use of optical instruments with the scanner will increase eye hazard. Optical instruments include binoculars, microscopes and magnifying glasses. This does not include eye glasses worn by the user.

Danish

ADVARSEL:

Magellan SL opfylder de amerikanske krav stillet i "DHHS/CDRH 21CFR Subchapter J" for klasse IIA (class IIa) laserprodukter. Magellan SL er også godkendt som et klasse I (class I) laserprodukt, der opfylder kravene i IEC 825-1:1993.
Klass I (class I) og klasse IIa (class IIa) produkter anses for at være sikre. Magellan SL indeholder en Visible Laser Diode (VLD), der udsender maksimalt 897 µW ved en bølgelængde på 670 nm. Scanneren er konstrueret, så der ikke er nogen mulighed for menneskelig kontakt med skadelige niveauer af laserbestråling under normal brug, normal vedligeholdelse, eller atoriseret reparation.
ADVARSEL:
Dette produkt er af sikkerhedsmæssige grunde udstyret med en ledning med 3 ledere og en 3-benet stikprop. Denne ledning bør altid bruges i forbindelse med en 3-bent jordforbundet elektrisk stikkontakt for at undgå eledtrisk stød.
ADVARSEL
Anvendelse af andre kontrolmetoder, justeringer m.m. end dem specificeret i denne vejledning kan medføre eksponering til farlige niveauer af laserbestråling.
ADVARSEL
Forsøg ikke at åbne eller reparere komponenter i det optiske hulrum. Uautoriseret åbning eller reparation af komponenter i det optiske hulrum kan være en overtrædelse af lasersikkerhedsregulativer. Det optiske system mø udelukkende repareres of Symbol autoriserede reparationscentre.

Finnish

VAROITUS!

Magellan SL on hyväksytty Yhdysvalloissa vastaamaan DHHS/CDRH 21CFR Subchapter J, luokka IIa:n (Class IIa), lasertuotteille asetettuja vaatimuksia. Magellan SL on myös hyväksytty vastaamaan IEC 825-1:1993 vaatimuksia 1 luokan (Class 1) lasertuotteille.
Luokka 1 (Class 1) ja luokka IIA (Class IIa) tuotteiden ei katsota olevan vaarallisia. Magellan SL:ssä on sisäinen Visible Laser Diode (VLD), joka säteilee enintään 897µW, 670 nanometrin aallonpituudella. Tutkain on suunniteltu siten, että sitä käsittelevä ihminen ei joudu kosketuksiin vaarallisten laservalotasojen kanssa normaalikäytössä käyttäjän huoltotoimenpiteiden aikana tai ohjeiden mukaisten huoltotöiden aikana.
VAROITUS!
Tämä tuote on varustettu maadoitetulla virtajohtimella ja pistokytkimellä käyttäjän turvallisuuden takaamiseksi. Yhdistä tämä virtajohdin maadoitettuun pistorasiaan sähköiskun välttämiseksi.
VAROITUS!
Laitteen käyttäminen muulla kuin tässä käyttöohjessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkyvälle lasersäteilylle.
VAROITUS!
Älä yritä avata tai muuten huoltaa mitään komponentteja optisessa osassa. Mikäli epäpätevä henkilö korjaa tai avaa jonkin komponentin optisessa osassa, voidaan tämän katsoa olevan rikkomus turvallisuusohjeita vastaan. Optinen systeemi on osa, joka voidaan korjata ainoastaan tehtaalla.

French

ATTENTION:

Le Magellan SL est certifié conforme aux conditions requises par la norme DHHS/CDRH 21CFR Subchapter J pour les matériels laser de classe IIa (Class IIa) aux Etats-Unis. Le Magellan SL est aussi certifié en tant que matériel laser de classe I (Class I) pour les conditions requises par la norme IEC 825-1:1993.
Les produits de classe I (Class I) et classe IIA (Class IIa) ne sont pas considérés comme dangereux. Le Magellan SL contient un Diode Laser Visible (VLD) qui émet une puissance maximum de 897µW pour une longueur d'onde de 670 nanomètres. Le scanner est conçu pour que l'accès à des niveaux de lumière laser dangereux ne soit pas possible pendant l'utilisation normale, la maintenance utilisateur ou les opérations d'entretien prescrites.
ATTENTION
Ce produit est équipé d'un cordon d'alimentation à trois fils et d'une prise à trois broches pour la sécurité de l'utilisateur. Ce cordon d'alimentation doit être branché sur une prise de courant avec une mise à la masse pour éviter les chocs électriques.
ATTENTION
L'utilisation de procédures de contrôle, de réglage ou d'utilisation autres que celles spécifiées dans ce document peut entrainer une exposition dangereuse à la lumiere du laser.
ATTENTION
Ne pas essayer d'ouvrir ni de réparer les composants de la cavité optique. L'ouverture ou la réparation d'une partie de la cavité optique par une personne non qualifiée peut entraîner la violation des règles de sécurité relatives au laser. Le système optique ne peut être réparé qu'en usine.

German

VORSICHT:

Der Magellan SL entspricht den in den Vereinigten Staaten geltenden Vorschriften des DHHS/CDRH 21CFR Subchapter J für Laserprodukte der Klasse IIa (Class IIa). Der Magellan SL ist ferner als ein Laserprodukt der Klasse I (Class I) nach den Vorschriften der IEC 825-1:1993 zugelassen.
Produkte der Klasse I (Class I) und der Klasse IIa (Class IIa) sind als ungefährlich eingestuft. Der enthält eine VLD Diode, die maximal 897µW auf einer Wellenlänge von 670 Nanometer ausstrahlt. Der Scanner ist so konstruiert, daß während des normalen Betriebes, der Wartung durch den Benutzer oder der vorgeschriebenen Wartungsvorgänge kein Zugang zu schädlichen Laserlichtstufen möglich ist.
VORSICHT
Dieses Produkt ist zur Sicherheit des Benutzers mit einem Dreileiter-Stromversorgungs-kabel und Stecker ausgestattet. Benutzen Sie dieses Kabel in Verbindung mit einer korrekt geerdeten Steckdose, um einen elektrischen Schlag zu vermeiden.
VORSICHT
Jegliche Anwendung von Kontrollen, Regulierung oder anderen Verfahren, die nicht in diesen Ausführungen erwähnt werden, können eine gefährliche Laserlichtbestrahlung zur Folge haben.
VORSICHT
Das optische System darf nur vom Werk repariert werden. Die Öffnung oder Wartung von Bestandteilen des optischen Hohlraumes durch unbefugtes Personal verletzt die Laser-Sicherheitsbestimmungen.

Dutch

WAARSCHUWING:

De Magellan SL is in de V.S. goedgekeurd en voldoet aan de sisen van DHHS/CDRH 21CFR subchapter Jvoor klasse-IIa (Class IIa) laserprodukten. De Magellan SL is ook goedgekeurd als een klasse-I (Class I) laserprodukt volgens de eisen van IEC 825-1:1993.
Produkten van klasse-I (Class I) en klasse-IIa (Class IIa) worden niet geacht gevaarlijk te zijn. De Magellan SL bevat een inwendige Visible Laser Diode (VLD) buis, die maximaal 897µW uitzendt bij een golflengte van 670 nanometer. De scanner is zo ontworpen dat men bij normaal gebruik, tijdens onderhoud of bij het uitvoeren van de voorgeschreven onderhouds-werkzaamheden niet aan schadelijke niveaus van laserlicht kan worden blootgesteld.
WAARSCHUWING:
Dit produkt is met een geaard snoer plus stekker uitgerust ter bescherming van de gebruiker. Sluit dit snoer op een goed geaard stopkontakt aan teneinde elektrische schokken te voorkomen.
WAARSCHUWING
Men kan aan gevaarlijk laserlicht worden blootgesteld als de apparaten niet goed worden bediend of afgesteld, of de proceduren niet worden uitgevoerd zoals hierin beschreven staat.
WAARSCHUWING
Probeer geen onderdelen in de opticaruimte te openen of er op enige wijze onderhoud aan uit te voeren. Openen of onderhoud van delen in de opticaruimte door onbevoegd personeel kan in strijd zijn met de laserveiligheidsreglementen. Het opticasysteem mag alleen in de fabriek worden gerepaareerd.

LASER SAFETY CAUTIONS — CONTINUED

ITALIAN

ATTENZIONE:

Magellan SL™ è stato certificato negli Stati Uniti in conformità alle norme DHHS/CDRH 21CFR Sotto-Capitolo J (Subchapter J) per i prodotti laser della categoria IIa (Class IIa). Il Magellan SL è anche certificato come prodotto laser di categoria I (Class I) secondo le norme IEC 825-1:1993.
I proddotti delle categorie Ie IIa (Class Ie Class IIa) non sono considerati pericolosi. L'Magellan SL contiene all'interno Diodo de láser visible (VLD) che emette un massimo di 897µW ad una lunghezza d'onda di 670 nanometri. L'analizzatore è stato progettato in modo che sai impossibile l'accesso umano a livelli nocivi di luce laser nel corso del normale funzionamento, della manutenzione da parte dell'utente o durante gil interventi di riparazione previsti.
ATTENZIONE:
Il prodotto è dotato di un cordone elettrico a tre fili e di una spina per la sicurezza dell'utente. Usare il cordone su una presa elettrica correttamente messa terra per evitare le scosse.
ATTENZIONE
L'uso di comandi e regolazioni o procedure diversi da quelli specificati in questa sede possono risultare nell'esposizione a luce laser pericolosa.
ATTENZIONE
Evitare di tentare di aprire o riparaare dei componenti nella cavità ottica. L'apertura o la riparazione della cavità ottica da persone non autorizzate può essere in violazione dei regolamenti di sicurezza per i laser. Il sisteme ottico può essere riparato solo in fabbrica.

NORWEGIAN

ADVARSEL:

Magellan SL er godkjent i USA i samsvar med retningslinjer for DHHS/CDRH 21CFR Subchapter J for Klasse IIa (Class IIa) laserprodukter. Magellan SL er også godkjent som et Klasse I (Class I) laserprodukt i samsvar med retningslinjer fra IEC 825-1:1993.
Klasse I (Class I) og Klasse IIa (Class IIa) produkter regnes ikke for å være helsefarlige. Magellan SL har et innvendig Visible Laser Diode (VLD) rør som avgir maksimum 897µW på en 670 nanometers bølgelengde. Skanneren er utformet slik at det er ikke mulig for personer å utsettes for skadelige doser av laserstråler ved normal behandling, brukers vedlikehold eller ved foreskrevet service.
ADVARSEL
Dette produktet er utstyrt med en tretråds elektrisk ledning og støpsel for brukers sikkerhet. Bruk denne ledningen i forbindelse med en korrekt jordet elektrisk stikkontakt for å unngå elektrist sjokk.
ADVARSEL
Reguleringer, justeringer eller andre framgangsmåter som avviker fra det som her er spesifisert, kan resultere i at man utsettes for farlig laserlys.
ADVARSEL
Forøk ikke å åpne eller på noen måte reparere komponenter i det optiske kammeret. Ingen del av det optiske kammeret må åpnes eller repareres av ikke-autorisert personale, da dette kan krenke forskrifter for laserikkerhet. Det optiske systemet kan bare repareres ved fabrikken.

PORTUGESE

CUIDADO:

O Magellan SL é certificado nos Estados Unidos de conformidade com os requerimentos do DHHS/CDRH 21CFR Subchapter J para produtos laser de Classe IIa (Class IIa). O Magellan SL também é certificado como um produto laser de Classe I (Class I) de acordo com os requerimentos do IEC 825-1:1993.
Os produtos do tipo Classe I (Class I) e Classe IIa (Class IIa) não são considerados perigosos. O Magellan SL contém em seu interior um Visible Laser Diode (VLD) que emite um máximo de 897µW a um comprimento de onda de 670 nanômetros. O scanner foi projetado de maneira a não peritir acesso humano a manutenção pelo usurio, ou durante as operacoes de serviço preventivo.
CUIDADO
Para segurança do usuário, este produto está equipado com um cabo de alimentação de três fios e uma tomada de três pinos. Use este cabo com uma tomada que tenha ligação de terra para evitar choque eléctrico.
CUIDADO
O uso de quaisquer controles ou ajustes ou procedimentos outros que os aqui especificados pode resultar em exposição perigosa a luz laser.
CUIDADO
Não tente abrir a cavidade óptica nem consertar de nenhuma forma qualquer de seus componentes. A abertura da cavidade óptica, ou o conserto de qualquer uma de suas peças pro pessoal não autorizado pode violar as normas de segurança para sistemas de luz laser. O sistema óptico pode ser consertado apenas pelo fabricante.

SWEDISH

VARNING:

Magellan SL uppfyller de amerikanska kraven DHHS/CDHR 21CFR Subchapter J for Klass IIa (Class IIa) laserprodukter. Magellan SL har också registrerats som en Klass I (Class I) laserprodukt som uppfyller kraven IEC 825-1:1993.
Produkter i Klass I (Class I) och Klass IIa (Class IIa) anses ej farliga. Magellan SL innehåller ett internt Visible Laser Diode (VLD) rör med en maximal emission på 897µW vid 670 nm våglängd. Scannern har byggts så att laserljus av skadlig nivå inte kan nå människor vid normal användning, bruksunderhåll eller föreskriven service.
VARNING:
Denna produkt innehåller en tretråds strömledning samt stickpropp för att skydda användaren. Koppla denna ledning till ett korrekt jordat elektriskt uttag för att undvika elstöt.
VARNING:
Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för synlig laserstrålning, som överskrider gränsen för Laserklass 1.
VARNING:
Försök inte öppna eller reparera komponenter i den optiska dammaren. Om ej auktoriserad personal öppnar eller reparerar delar i den optiska kammaren, kan detta vara ett brott mot säkerhetsföreskrifterna för laserutrustning. Det optska systemet får endast repareras i fabriken.

SPANISH

PRECAUCION:

El Magellan SL ha sido certificado en U.S.A. conforme a los requisitos de DHHS/CDRH 21CFR Subchapter J para productos laser Clase IIa (Class IIa). El Magellan SL también ha sido certificado como un producto laser Clase I (Class I) según los requisitos de IEC 825-1:1993.
Los productos Clase I (Class I) y Clase IIa (Class IIa) no se consideran peligrosos. El Magellan SL contiene en su interior un diodo a luce laser visible (VLD) que emite un máximo de 897µW con longitud de onda de 670 nanometros. El scanner fue diseñado para impedir acceso humano a niveles nocivos de luz laser durante la operación normal, el mantenimiento por los uruarios, o durante las operaciones de servicio preventivo.
PRECAUCION:
Este producto ha sido equipado con un cable de alimentación de tres hilos y un enchufe de tres contactos para seguridad del usuario. Use este cable de alimentación en conjunto con un tomacorriente debidamente conectado a tierra para evitar choques eléctricos.
PRECAUCION:
El uso de controles, o ajustes, o la ejecución de procedimientos distintos a los especificados aqui pueden resultar en exposición nociva a la luz del laser.
PRECAUCION:
No trate de abrir o prestar servicio en forma alguna a ningún componente en la cavidad óptica. La aperatura o servicio de cualquier parte de la cavidad óptica por personal no autorizado puede violar regulaciones de seguridad laser. El sistea óptico solo puede ser reparado en fábrica.

HEBREW

זהירות:

סורק יב"מ מדגם Magellanאושר באה"ב בממלא אחר הדרישות של DHHS/CDRH 21CFR Subchapter J למוצרי ליזר מסוג IIא' (Class IIa). מודל Magellan מאושר גם כן כמוצר ליזר מסוג I (Class I) לצורך צמידה בדרישות של IEC 825-1:1993.

מוצרים מסוג I (Class I) ומסוג IIא' (Class IIa) אינם נחשבים למסוכנים . יב"מ Magellanכולל בתוכו עו ופרת ליזר הלירם ניאון המפיצה מיטמום של 897µW באורך גל של 670 ננומטר. הסורק מצורצב כך שולא מהאפשרה גישה של בני אדם לרמות מזיקות של קרן אור ליזר במהלך הדפיצלה, האחקה צל ידי המשתמש, או מיצולות אחזקה מתוכננות.

זהירות:

מוצר זה מצויד בכבל כח חשמלי חלת גידי צם חקצ לבטיחותו של המשתמש. חבר כבל זה לשקיצ חשמלי מוארק כהלכה צל מנת למנוע מכה חשמל.

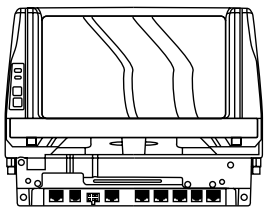
זהירות:

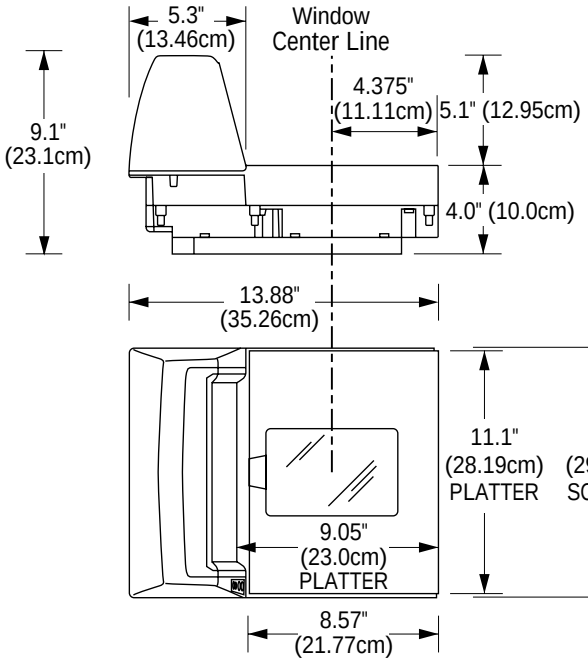
השמוש בבקרים, או כיוון המכשיר, או ביצוצו של סדר פצולוה כלשהו מצבר למצוין בזה צילולים לגרום לחשיפה מזיקה של המשתמש לידני ליזר.

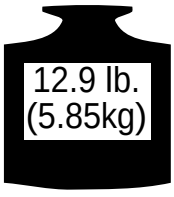
זהירות:

אין לנטות לפתוח או לטפל בחלק כלשהו בחלל האופטיקה. הפתיחה או הטיפול בחלק כלשהו בחלל האופטיקה, צל ידי מי שלוא הוסמך לבך, צילולים להפר את החבוה הבטיחות לטיפול במכשירי ליזר. מצחכה אופטית זו מיוצדת לטיפולו של היצדן בלבד.

PHYSICAL SPECIFICATIONS

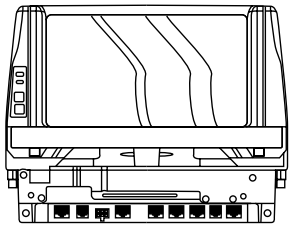


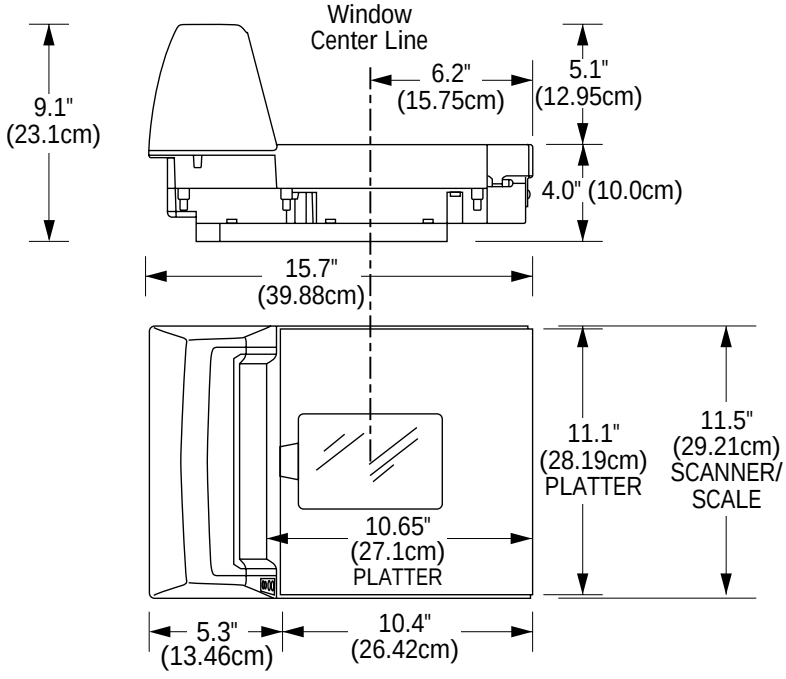


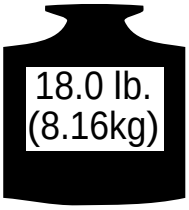


Scanner
Weight

Model 381
(Short Scanner)
Dimensions





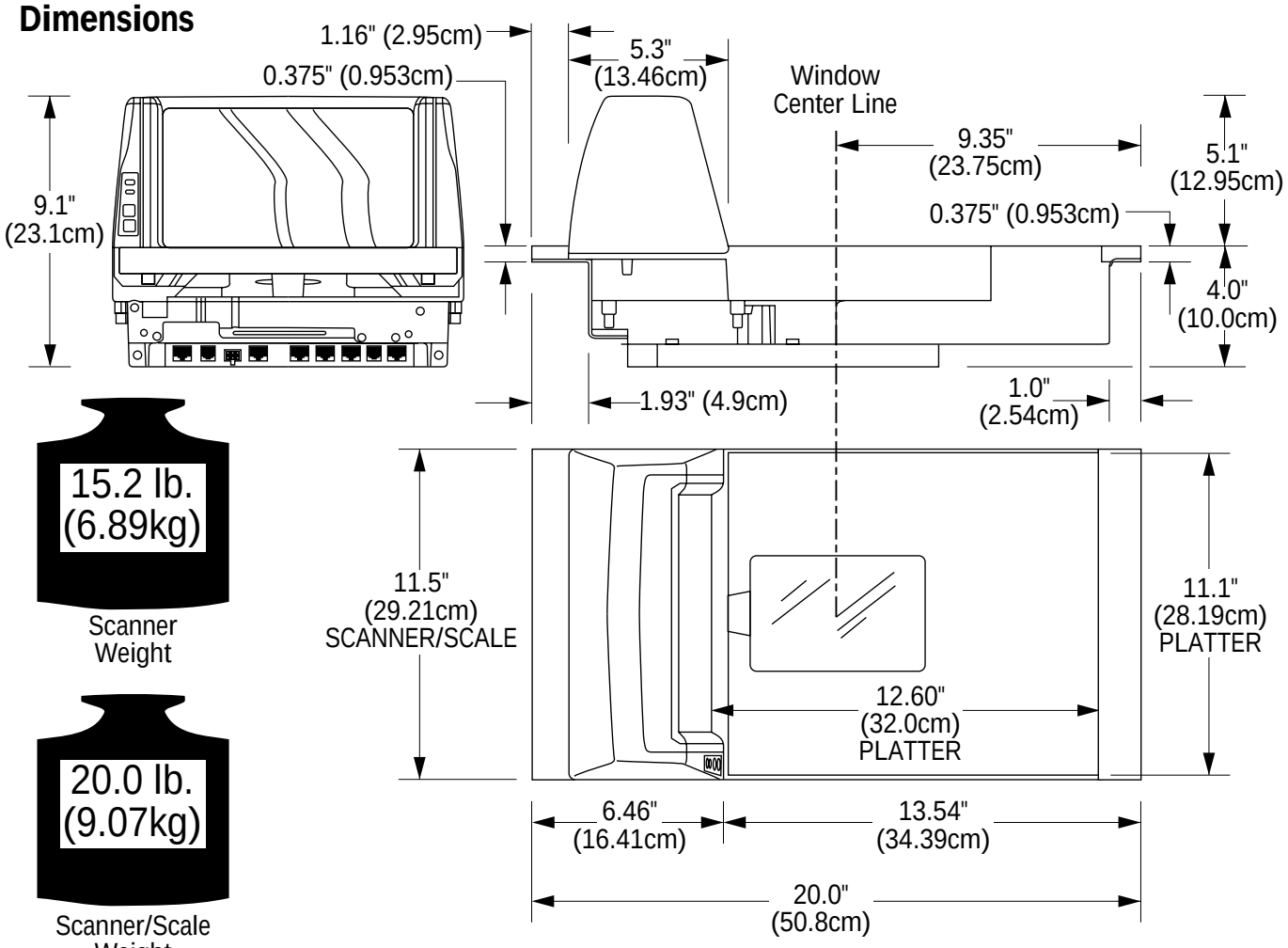


Scanner/Scale
Weight

Model 382
(Short Scanner/Scale)
Dimensions

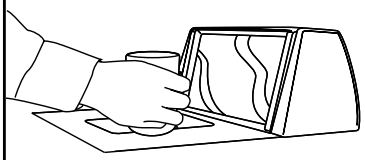
PHYSICAL SPECIFICATIONS — CONTINUED

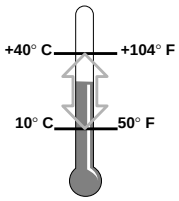
Models 383 (Long Scanner) & 384 (Long Scanner/Scale)
Dimensions



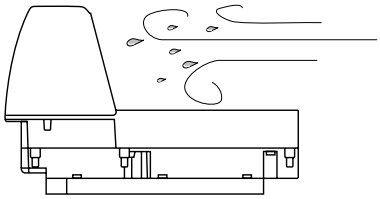
Environmental Specifications

Operation



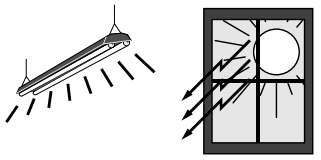


Temperature
10° to +40° C
50° to +104° F



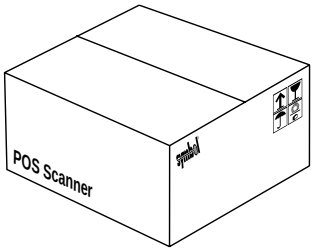
Dust Proof Optics Cavity
Spill Proof (NEMA 5,
IEC 529-IP54)

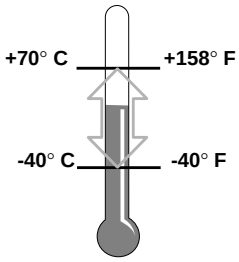
Illumination
Indoor Lighting:
0-200 Foot-candles
(2,152.8 LUX)



Humidity
(Non-Condensing)
5% - 95%
RHNC

Storage





Temperature
-40° to +70° C
- 40° to +158° F

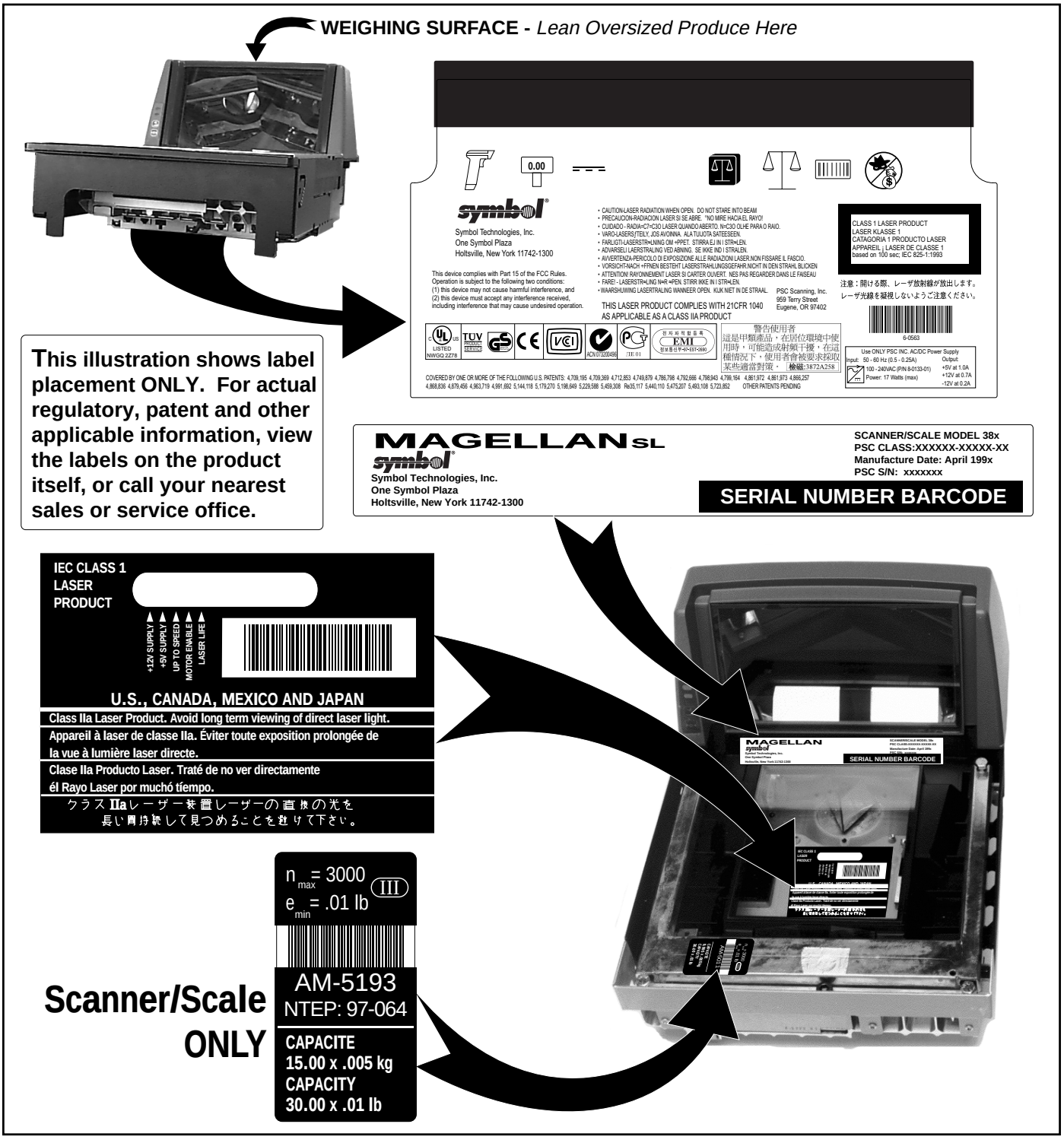
Humidity (Non-Condensing)
5% - 95%
RHNC

For complete installation and operation instructions, refer to Symbol publication 72-50487-XX, ***Magellan SL™ Installation and Operation Manual.***

For a complete set of programming labels and detailed programming instructions, order the Symbol ***Magellan® and Magellan SL™ Programming Kit***, part number 72-50489-XX.

PRODUCT LABELING

Product labels include information that is important to both the user and the repair technician. Regulatory agencies require certain information be displayed on the product labels. These labels include laser safety warnings that are clearly visible to the operator, regulatory approval labels, scale capacities and approval data, product serial number and class data.


WEIGHING SURFACE - Lean Oversized Produce Here
This illustration shows label placement ONLY. For actual regulatory, patent and other applicable information, view the labels on the product itself, or call your nearest sales or service office.
MAGELLAN SL
symbol
Symbol Technologies, Inc.
One Symbol Plaza
Holtsville, New York 11742-1300
SCANNER/SCALE MODEL 38x
PSC CLASS:XXXXXX-XXXXX-XX
Manufacture Date: April 199x
PSC S/N: xxxxxxx
SERIAL NUMBER BARCODE
IEC CLASS 1 LASER PRODUCT
+12V SUPPLY
+5V SUPPLY
UP TO SPEED
MOTOR ENABLE
LASER LIFE
U.S., CANADA, MEXICO AND JAPAN
Class IIa Laser Product. Avoid long term viewing of direct laser light.
Appareil à laser de classe IIa. Éviter toute exposition prolongée de la vue à lumière laser directe.
Clase IIa Producto Laser. Traté de no ver directamente él Rayo Laser por muchó tíempo.
クラスIIaレーザー装置レーザーの直接の光を長い間持続して見つめることを避けて下さい。
Scanner/Scale ONLY
n max = 3000
e min = .01 lb
III
AM-5193
NTEP: 97-064
CAPACITE
15.00 x .005 kg
CAPACITY
30.00 x .01 lb

NOTES

WARRANTY

Symbol Technologies, Inc. (“Symbol”) manufactures its hardware products in accordance with industry-standard practices. Symbol warrants that for a period of twelve (12) months from date of shipment, products will be free from defects in materials and workmanship.

This warranty is provided to the original owner only and is not transferable to any third party. It shall not apply to any product (i) which has been repaired or altered unless done or approved by Symbol, (ii) which has not been maintained in accordance with any operating or handling instructions supplied by Symbol, (iii) which has been subjected to unusual physical or electrical stress, misuse, abuse, power shortage, negligence or accident or (iv) which has been used other than in accordance with the product operating and handling instructions. Preventive maintenance is the responsibility of customer and is not covered under this warranty.

Wear items and accessories having a Symbol serial number, will carry a 90-day limited warranty. Non-serialized items will carry a 30-day limited warranty.

Warranty Coverage and Procedure

During the warranty period, Symbol will repair or replace defective products returned to Symbol’s manufacturing plant in the US. For warranty service in North America, call the Symbol Support Center at 1-800-653-5350. International customers should contact the local Symbol office or support center. If warranty service is required, Symbol will issue a Return Material Authorization Number. Products must be shipped in the original or comparable packaging, shipping and insurance charges prepaid. Symbol will ship the repaired or replacement product freight and insurance prepaid in North America. Shipments from the US or other locations will be made F.O.B. Symbol’s manufacturing plant.

Symbol will use new or refurbished parts at its discretion and will own all parts removed from repaired products. Customer will pay for the replacement product in case it does not return the replaced product to Symbol within 3 days of receipt of the replacement product. The process for return and customer’s charges will be in accordance with Symbol’s Exchange Policy in effect at the time of the exchange.

Customer accepts full responsibility for its software and data including the appropriate backup thereof.

Repair or replacement of a product during warranty will not extend the original warranty term.

Symbol’s Customer Service organization offers an array of service plans, such as on-site, depot, or phone support, that can be implemented to meet customer’s special operational requirements and are available at a substantial discount during warranty period.

General

Except for the warranties stated above, Symbol disclaims all warranties, express or implied, on products furnished hereunder, including without limitation implied warranties of merchantability and fitness for a particular purpose. The stated express warranties are in lieu of all obligations or liabilities on part of Symbol for damages, including without limitation, special, indirect, or consequential damages arising out of or in connection with the use or performance of the product.

Seller’s liability for damages to buyer or others resulting from the use of any product, shall in no way exceed the purchase price of said product, except in instances of injury to persons or property.

Some states (or jurisdictions) do not allow the exclusion or limitation of incidental or consequential damages, so the proceeding exclusion or limitation may not apply to you.

DECLARATION OF CONFORMITY

PSC hereby declares that the equipment specified below has been tested and found compliant to the following Directives and Standards:

Directives:	**EMC 89/336/EEC**	
	Low Voltage 73/23/EEC	
Standards:	**EN55022-B**	**EN60825**
	EN50082-1	**EN60950**
Equipment Type:	**Barcode Scanning Equipment**	
Products:	**Magellan SL Model 38x S**	

Edward J. Biernat
Vice President, Corporate Quality
PSC, Inc.
675 Basket Road
Webster, NY 14580
U.S.A.

Nigel Davis
Vice President
Europe, Middle East & Africa
PSC Bar Code Ltd.
Axis 3, Rhodes Way
Watford, England WD24YW

CE

Service Information

If you have a problem with this system, contact your reseller. If there is a problem with the system, they will contact the Symbol Support Center at one of the numbers below. Further product information can be found at www.symbol.com.

United States 1-800-653-5350	Canada 905-629-7226
United Kingdom . 0800 328 2424	Asia / Pacific ..... +65-337-6588
Australia 1-800-672-906	Austria 1-505-5794
Denmark 7020-1718	Finland 9 5407 580
France 01-40-96-52-21	Germany 6074-49020
Italy 2-48441	Mexico 5-520-1835
Netherlands 315-271700	Norway 66810600
South Africa 11-4405668	Spain 9-1-320-39-09
Sweden 84452900	Japan ..... +81-3-3348-0213

Latin American Sales Support ..... 1-800-347-0178 Inside US
..... +1-561-483-1275 Outside US
Europe / Mid-East Distributor Operations ..... Contact local distributor or call
..... +44 208 945 7360

symbol®

One Symbol Plaza Holtsville, New York 11742-1300

Printed on recycled paper

PRINTED WITH SOY INK

© 2000 PSC, Inc

72-50488-01 Rev. A

Printed in USA 1/02